

Amendments to the Specification:

Please replace the paragraphs starting with "SUMMARY OF INVENTION," beginning on page 6, lines 10-32 and ending on page 7, lines 1-12 with the following amended paragraphs:

SUMMARY OF THE INVENTION

In order to solve the above and other problems, according to a first aspect of the current invention, a method of maintaining a multidimensional database having layer structure information, the layer structure information representing layer structure of members in the multidimensional database, including the steps of: inputting a member; determining whether or not corresponding layer information has been registered for the member in the layer structure information; in the absence of the corresponding information, generating the corresponding layer information according to a predetermined layer rule including rules for character-row converting name of the member and for generating the layer information; registering the corresponding layer information in the layer structure information.

According to a second aspect of the current invention, a system for maintaining a multidimensional database, including: an input unit for inputting a member; a dimensional layer information unit for storing dimensional layer information, the dimensional layer information including layer structure information to represent layer structure of members in the multidimensional database and a layer rule for defining rules to generate the layer structure information, wherein the layer rule includes rules for character-row converting a name of the member and for generating the layer information and a dimensional layer information management unit connected to the input unit and the dimensional layer information unit for managing the dimensional layer information, the dimensional layer information management unit determining whether or not corresponding information has been registered for the member in the layer structure information, the dimensional layer information management unit generating the

corresponding layer information according to the layer rule in the absence of the corresponding information and registering the corresponding layer information in the layer structure information.

According to a third aspect of the current invention, a recording medium for storing computer executable instructions for maintaining a multidimensional database having layer structure information, the layer structure information representing layer structure of members in the multidimensional database, the computer executable instructions performing the steps of: inputting a member; determining whether or not corresponding layer information has been registered for the member in the layer structure information; in the absence of the corresponding information, generating the corresponding layer information according to a predetermined layer rule including rules for character-row converting a name of the member and for generating the layer information; and registering the corresponding layer information in the layer structure information.